

Converting Colors

XYZ(33.1176, 18.1607, 42.7184)

Have a look what the booklet for
XYZ(33.1176, 18.1607, 42.7184)
contains.

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Color

**XYZ(33.2430, 18.1904,
42.8333)**

Conversions

Conversions Part 1

Format	Color
Hex	C936B0
RGB	201, 54, 176
RGB Percent	79%, 21%, 69%
CMY	0.2118, 0.7882, 0.3098
CMYK	0.00, 0.73, 0.12, 0.21
HSL	310°, 58%, 50%
HSV	310°, 73%, 79%
XYZ	33.2430, 18.1904, 42.8333
YIQ	111.8610, 48.4500, 69.1060

Conversions

Conversions Part 2

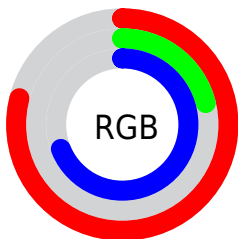
Format	Color
RYB	201, 54, 176
Decimal	13186736
CIELab	49.73, 68.98, -33.22
CIElCh	50, 76.564, 334.282
Yxy	18.1904, 0.3526, 0.1930
Android (android.graphics.Color)	4291376816 (0xFFC936B0)
YUV	111.8610, 31.6205, 78.1749
Hunter-Lab	42.6502, 64.4910, -29.6894

Details

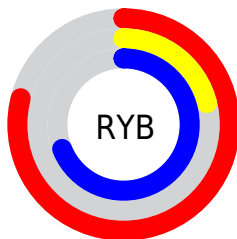
The XYZ color **33.2430, 18.1904, 42.8333** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle muted rose. A complement of this color would be **23.8201, 43.1227, 14.4668**, and the grayscale version is **15.2619, 16.0568, 17.4858**.

A 20% lighter version of the original color is **61.8228, 39.1208, 80.6366**, and **14.9028, 7.2697, 19.3566** is the 20% darker color. If you saturate the color by 10%, you get **32.1594, 16.5574, 40.8242**, and if you desaturate by 10%, it is **34.7227, 20.6013, 45.0167**.

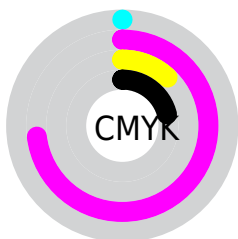
Distribution



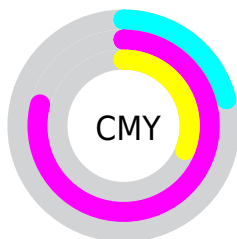
- Red (79%)
- Green (21%)
- Blue (69%)



- Red (79%)
- Yellow (21%)
- Blue (69%)



- Cyan (0%)
- Magenta (73%)
- Yellow (12%)
- Black (21%)



- Cyan (21%)
- Magenta (79%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2430, 18.1904, 42.8333 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 33.2430, 18.1904, 42.8333 by changing the saturation by 10% instead.

33.2430, 18.1904,
42.8333

33.2430, 18.1904,
42.8333

308.3889,
241.9421, 373.8268

22.4728, 11.0868,
29.4239

64.1069, 40.3615,
80.7429

14.3233, 6.1252,
19.1534

84.9312, 56.1978,
106.0802

8.4290, 2.9214,
11.6032

109.8377, 75.7137,
136.2305

4.4248, 1.0908,
6.3549

139.1916, 99.2937,
171.6124

1.9451, 0.0000,
2.9898

173.3584,
127.3221, 212.6445

0.6029, 0.0000,
1.0894

212.7032,

0.0000, 0.0000,

160.1834, 259.7452

0.0000

257.5917,
198.2619, 313.3331

■ 33.2430, 18.1904,
42.8333

■ 33.2430, 18.1904,
42.8333

■ 32.1594, 16.5574,
40.8242

■ 34.7227, 20.6013,
45.0167

■ 31.4188, 15.5972,
38.9711

■ 36.6392, 23.8722,
47.3879

■ 31.0455, 15.2008,
37.7673

■ 39.0299, 28.0780,
49.9598

■ 41.9280, 33.2844,
52.7437

■ 45.3633, 39.5514,
55.7500

■ 49.3637, 46.9342,
58.9881

■ 53.9547, 55.4842,
62.4668

■ 59.1605, 65.2495,
66.1946

■ 65.0039, 76.2756,
70.1793

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



26.4481, 18.1904, 74.9410



33.2430, 18.1904, 42.8333



35.3735, 18.1904, 16.9572

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.2430, 18.1904, 42.8333



16.2637, 18.1904, 0.6561



8.1009, 18.1904, 52.1162

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33.2430, 18.1904, 42.8333



23.8201, 43.1227, 14.4668

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



6.7397, 18.1904, 22.9577



33.2430, 18.1904, 42.8333



10.5347, 18.1904, 1.7073

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.2430, 18.1904, 42.8333



24.1134, 18.1904, 1.1866



7.4858, 18.1904, 6.9940



11.8921, 18.1904, 82.4581

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.2430, 18.1904, 42.8333



33.4730, 18.1904, 7.4593



7.4858, 18.1904, 6.9940



7.4012, 18.1904, 41.3271

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33.2436, 18.1913, 42.8336



78.1920, 68.6815, 95.8894



15.0458, 8.4974, 56.1059



16.3653, 14.0200, 20.2111



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.2436, 18.1913, 42.8336



54.2225, 27.2203, 67.9290



27.8556, 16.0361, 14.4606



11.0027, 10.7845, 12.9973



19.5497, 9.5694, 23.9023



0.9467, 0.4615, 1.2427

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



33.2436, 18.1913, 42.8336



54.2225, 27.2203, 67.9290



28.0763, 44.8252, 36.8795



11.0027, 10.7845, 12.9973



19.5497, 9.5694, 23.9023



0.9467, 0.4615, 1.2427

Previews

White Background



This preview shows how the XYZ color 33.2430, 18.1904, 42.8333 looks on a white background.

Color Contrast Check

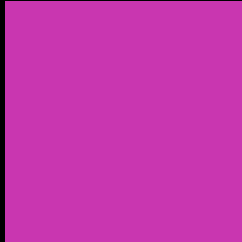
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 33.2430, 18.1904, 42.8333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2430, 18.1904, 42.8333

Background



This preview shows how black text looks on a background with the XYZ color 33.2430, 18.1904, 42.8333.



This preview shows how white text looks on a background with the XYZ color 33.2430, 18.1904,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

33.2430, 18.1904, 42.8333

Protanopia

21.7949, 18.7029, 76.5900

Deuteranopia

18.9330, 18.5717, 39.1460



Tritanopia

26.5929, 18.0976, 11.3241

Trichromacy



Original Color

33.2430, 18.1904, 42.8333



Protanomaly

21.6106, 15.6076, 62.8463



Deuteranomaly

21.8291, 16.4900, 40.0626



Tritanomaly

28.2132, 17.5929, 19.6781

Monochromacy



Original Color

33.2430, 18.1904, 42.8333



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

19.6159, 15.1607, 24.8141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2430, 18.1904, 42.8333 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(201, 54, 176)` looks like.

```
.text, #text, p{  
    color:rgb(201, 54, 176)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(201, 54, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 54, 176) }
```

Border

The CSS property to change the border of an element to XYZ 33.2430, 18.1904, 42.8333 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(201, 54, 176) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(201, 54, 176) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(201, 54, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 54, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 54, 176);  
box-shadow:4px 4px 4px 4px rgb(201, 54,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2430, 18.1904, 42.8333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 54, 176) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(201, 54,  
176) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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